

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
9 March 2006 (09.03.2006)

PCT

(10) International Publication Number
WO 2006/025637 A1(51) International Patent Classification⁷: A61K 7/48, 7/00

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(21) International Application Number:

PCT/KR2005/000964

(22) International Filing Date: 1 April 2005 (01.04.2005)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:

10-2004-0068246 28 August 2004 (28.08.2004) KR

10-2004-0103324 9 December 2004 (09.12.2004) KR

10-2004-0103344 9 December 2004 (09.12.2004) KR

10-2004-0104660 11 December 2004 (11.12.2004) KR

10-2004-0114460 28 December 2004 (28.12.2004) KR

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIGO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: GOLD OR SILVER PARTICLES WITH PARAMAGNETISM, AND COMPOSITION CONATINING THEREOF

(57) **Abstract:** The present invention is related to gold or silver powder characterized by having paramagnetism. In more detail, contrary to the conventional gold or silver powder known to be a diamagnetic material having magnetism in the opposite direction to that of the magnetic field in the external magnetic field, the gold or silver powder according to the present invention is characterized by being a paramagnetic gold or silver powder having magnetism in the same direction as that of the external magnetic field, i.e., in the positive direction, in all temperature ranges, which is further characterized by having saturated magnetic moment with the external magnetic field, H, of 2,000 to 8,000 Oe. The paramagnetic gold or silver powder according to the present invention is also characterized by that inclination dM/dH of the mass magnetism curve is positive at an absolute temperature of 20K with the external magnetic field, H, of greater than 1,000 Oe. The paramagnetic gold or silver powder according to the present invention shows an extremely small coercive force, has no surface oxidation layers, is stable at a room temperature, has no cohesive property, and is highly dispersible. Owing to these characteristics, the gold or silver powder according to the present invention may be used for various material areas.

WO 2006/025637 A1